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JOURNAL OF COMPUTING SCIENCE AND ENGINEERING

Instructions for Authors

Enacted in January 2006, Revised April 2011
Manuscripts for submission to ***Journal of Computing Science and Engineering (JCSE)*** should be prepared according to the following instructions.
*Author's Checklist

I. PUBLICATION TYPES AND LANGUAGE

JCSE focuses on regular papers, review papers, editorials, and letters to the editor. Any researchers throughout the world can submit a manuscript if the scope of the manuscript is appropriate. Manuscripts should be submitted in English.

Regular papers: Regular papers contain a full description of the original research results.
Review papers: Invited or submitted review papers are accepted. A review paper reports on a specific topic, which is included in a regular issue of the journal and has the same sequence as a regular paper.
Editorials: Editorials include invited perspectives in computing science and engineering, dealing with very active areas of research, fresh insights, and debates.
Letters to the editor: Comments on previously published articles or on other subjects of importance may be submitted.

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II. RESEARCH AND PUBLICATION ETHICS

For the policies on research and publication ethics that are not stated in these instructions, the *Guidelines on Good Publication Practice (http://publicationethics.org)* can be applied.

A. Research Results

The original results of research should be recorded and maintained in a form that allows analysis and review, both by collaborators before publication and by other scientists for a reasonable period after publication. Exceptions may be appropriate in certain circumstances to preserve privacy, to assure patent protection, or for similar reasons. Fabrication of data is an egregious departure from the expected norms of scientific conduct, as is the selective reporting of data with the intent to mislead or deceive, as well as the theft of data or research results from others.

B. Conflict-of-Interest Statement:

If there are any conflicts of interest, authors should disclose them in the manuscript.
All authors are requested to disclose any conflict of interest including financial, personal or other relationships with other people or organizations within three years of beginning the submitted work that could inappropriately influence, or be perceived to influence, their work.

C. Authorship

Authorship credit should be based on 1) substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data; 2) drafting the article or revising it critically for important intellectual content; and 3) final approval of the version to be published. Authors should meet these three conditions.

D. Author Misconduct

Author Misconduct Policy: Plagiarism refers to using someone else's work without citation or copying someone else's work without proper credit. Plagiarism is disallowed. Self-plagiarism refers to the verbatim copying or reuse of an author's own prior work without appropriate citation. It is also disallowed. Self-plagiarism includes submission of a single journal manuscript to multiple journals or submission of multiple journal manuscripts which overlap substantially in language or technical contribution. Authors should submit only original work that has not appeared elsewhere in a journal publication and is not under review for another journal publication. If authors have used their own previously published work(s) as a basis for a new submission, they are required to cite the previous work(s) and shortly describe how the new submission provides substantially novel contributions beyond that of the previously published work(s). It can be accepted for conference papers to be used as a preliminary work for a more fully developed journal submission, but authors are still required to cite related previous work(s). The papers cannot be identical and the journal version must include novel new contributions.
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1. immediate rejection of the manuscript
2. immediate withdrawal of all other submitted manuscripts by any of the authors, submitted to the Journal of Computing Science and Engineering
A new submission: Please be sure to include a cover letter as the first page of the manuscript (not as a separate document). Your cover letter should clearly list all preliminary versions of this work (e.g., conference versions or versions submitted to other journals or conferences) and describe how this manuscript differs from those versions. If no preliminary versions have been published, please say so explicitly in the cover letter.

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III. PEER REVIEW PROCESS

All manuscripts are treated as confidential. They are peer-reviewed by at least two anonymous reviewers selected by the editor. Letters to the editor are also reviewed and published on the decision of the editor. The corresponding author is notified as soon as possible of the editor's decision to accept, reject, or request revision of manuscripts. When the final revised manuscript is determined completely acceptable according to the JCSE format and criteria, it will be scheduled for publication in the next available issue. Rejected papers will not be peer-reviewed again.

The criteria on paper reviewing:
- How does this manuscript advance the field of research and/or contribute something new to the literature?
- Is this manuscript relevant to the community of readers of JCSE?
- Is the manuscript technically sound?
- Is the paper clearly written and well organized?
- Are all figures and tables appropriately provided and is their resolution in good quality?
- Does the introduction state the objectives of the manuscript, encouraging the reader to read on?
- Are the references relevant and complete? The reviewers should supply missing references.

The peer review process usually takes eight weeks after manuscript submission. Revisions are usually requested to take account of the referees' comments and critique. Failure to resubmit the revised manuscript within two months is regarded as a withdrawal. The corresponding author must indicate clearly what alterations have been made in response to the referees' comments point by point. Acceptable reasons should be given for noncompliance with any recommendation of the referees.

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IV. COPYRIGHTS AND CREATIVE COMMONS ATTRIBUTION LICENSING

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V. ELECTRONIC SUBMISSION OF MANUSCRIPTS

Manuscripts should be submitted through the online ScholarOne system at http://mc.manuscriptcentral.com/jcse. Submission instructions are available at the website. All articles submitted to the Journal must comply with these instructions. Failure to do so will result in return of the manuscript and possible delay in publication.
JCSE requires the corresponding author to sign a copyright transfer agreement on behalf of all authors. The letter should also include a statement that the manuscript is submitted by agreement of all authors, and that it is not under consideration for publication elsewhere and will not be submitted elsewhere unless rejected by JCSE or withdrawn by the corresponding author's written notification to the editor. Further inquiries are welcomed by the JCSE Editorial Office, office@kiise.org (phone: +82-2-588-9240; FAX: +82-2-521-1352).

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VI. MANUSCRIPT PREPARATION

A. Format of Initial or Intermediate Contributions

The author should prepare a single file in PDF format that includes the complete contribution, including:
- Title page
- Abstract and keywords
- The complete manuscript, including references, tables, and figures.

The complete manuscript must be no more than 14 pages (including bios and photos to be added in the final submission), **double-columned**, 9 pt or 10 pt font.
All manuscripts are required to be prepared using the journal-provided LaTeX or Microsoft Word templates.
- LaTeX templates (jcse_latex.zip, jcse_latex.tar) / MS Word template (jcse_word.docx).
- An example contribution (PDF format).

B. Title Page

The title page should include a full title of the article, authors' information, and footnotes. The Title should be as concise as possible but informative enough to facilitate information retrieval. Acronyms should not be used in the title. The Authors' information should contain the names, affiliations, and email addresses of all authors. It should be written consistently and preferably in a standard form for all publications to facilitate indexing and avoid ambiguities.

C. Abstract & Keywords

The Abstract should be 150 to 200 words long and should consist of short, direct, and complete sentences. The abstract should be self-contained (contain no footnotes). It should concisely state what was done, how it was done, principal results, and their significance. It should be less than 500 words for all forms of publication. The abstract should be written as one paragraph and should not contain tabular material or numbered references. Mathematical equations should not be set off on separate lines but appear in-line. At the end of abstract, keywords should be given in 3 to 6 words or phrases. The authors can freely choose a set of appropriate keywords from the general terms widely used in the area of computing science and engineering.

D. Text

1) Text Section Heading: There are four levels of section headings with established specifications: primary; secondary; tertiary; and quaternary heads. Enumeration of section headings is required. The section headings are as follows:

I. PRIMARY HEADING

Primary headings are enumerated by Roman numerals and centered above the text.

A. Secondary Heading

Secondary headings are enumerated by capital letters followed by periods, upper and lower case, and italicized.
1) Tertiary Heading: Tertiary headings are enumerated by Arabic numerals followed by parentheses. They are indented, italicized, upper and lower case, run into the text in their sections, and are followed by a colon.
a) Quaternary heading: Quaternary headings are identical to tertiary headings, except that they are indented two ems, lower case letters are used as labels, and only the first letter of the heading is capitalized.

2) References in Text: References should be obviously related to the documents. References should be numbered consecutively in the order in which they are first mentioned in the text. Each reference should be cited as [1], [1, 4, 7], or [1-3]; Kim [3], Kim and Lee [5] and, Park et al. [6].

3) Table: Each table should be numbered with Roman numerals in the order of their appearance in the text. Tables should have a concise and informative title with the table content between horizontal lines. Vertical lines are not used. The structure should be clear, with simple column headings giving all units. A table should not exceed one page when printed. Use lower case letters in superscripts a, b, c and so on for special remarks. Unaltered computer output and notation are generally unacceptable.

4) Figures: Figures are numbered consecutively in the sequence mentioned in the text and must have a caption written in one paragraph style. The caption should contain an explanation of all abbreviations and symbols used, and indicate the size value of lines or bars unless shown directly on the figure. The figure number should be placed at the lower-left corner of each figure, and the numbering order must be from left to right, then from upper to lower. Citations of figures in the text or parentheses are abbreviated, e.g., Fig. 1, Figs. 1 and 2, Figs. 1-3, (Fig. 1), (Figs. 1 and 2), (Figs. 1-3). When the text refers to both figures and tables, they should be mentioned in parentheses, e.g., (Table 1; Fig. 2) and (Tables 1-3; Figs. 4-6).

E. Acknowledgements
Persons or institutes who contributed to the papers but not enough to be coauthors may be introduced. Financial support, including foundations, institutions, pharmaceutical and device manufacturers, private companies, intramural departmental sources, or any other support should be described.

F. List of References
The list of references should only include works that have been published or accepted for publication. Personal communications and unpublished works should only be mentioned in the text. The correct citation format for an article in JCSE is as follows:

1) Journal Articles:
[1] J. H. Kim, K. J. Lee, T. H. Kim, and S. B. Yang, "Effective routing schemes for double-layered peer-to-peer systems in MANET," *Journal of Computing Science and Engineering*, vol. 5, no. 1, pp. 19-31, Mar. 2011.
[2] J. Min, D. Yoon, and Y. Won, "Efficient duplication techniques for modern backup operation," *IEEE Transactions on Computers*, vol. 60, no. 6, pp. 824-840, Jun. 2011.

2) Books & Book Chapters:
[3] J. F. Kurose and K. W. Ross, Computer Networking: A Top-Down Approach, 5th ed., Harlow, UK: Addison Wesley, 2009.
[4] J. L. Hennessy and D. A. Patterson, "Instruction-level parallelism and its exploitation," in *Computer Architecture: A Quantitative Approach*, 4th ed., San Francisco, CA: Morgan Kaufmann Pub., ch. 2, pp. 66-153, 2007.
[5] G. E. Hinton, "How neural networks learn from experience," in *Understanding Artificial Intelligence*, Scientific American, Ed., New York: Warner Books Inc., pp. 43-59, 2002.

3) Conference Proceedings:
[6] A. Stoffel, D. Spretke, H. Kinnemann, and D. A. Keim, "Enhancing document structure analysis using visual analytics," in *Proceedings of the ACM Symposium on Applied Computing*, Sierre, 2010, pp. 8-12.

4) Paper Presented at Conference:
[7] J. Arrillaga and B. Giessner, "Limitation of short-circuit levels by means of HVDC links," presented at the IEEE Summer Power Meeting, Los Angeles, CA, July 12–17, 1990.

5) Dissertations (Ph.D.) and Theses (M.S.):
[8] T. Kim, "Scheduling and allocation problems in high-level synthesis," Ph.D. dissertation, University of Illinois Urbana-Champaign, IL, USA, 1993.
[9] D. Park, "Optimal algorithm for profile-based power gating: a compiler technique for reducing leakage power on execution units in microprocessors," M.S. thesis, Seoul National University, Seoul, Korea, 2011.

6) Online Source:
[10] Malardalen Real-Time Research Center, "The worst-case execution time (WCET) analysis project," http://www.mrtc.mdh.se/projects/wcet/.

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VII. FINAL PREPARATION FOR PUBLICATION

A. Format of Final Contributions
Upon acceptance of an article, the author or authors are asked to submit the final manuscript. The final manuscript may be prepared using either LaTeX templates or Microsoft Word.
- LaTeX templates (jcse_latex.zip, jcse_latex.tar) / MS Word template (jcse_word.docx).
- An example contribution (PDF format).

B. Author Supplied Electronic Graphics
All graphics may be submitted electronically in Postscript (PS), Encapsulated Postscript (EPS), Tagged Image File Format (TIFF),

Microsoft Word (DOC or DOCX), Microsoft Power Point (PPT or PPTX), Microsoft Excel (XLS or XLSX), or Portable Document Format (PDF). In order to achieve the highest quality of reproduction, resolutions of 600 dpi (1 bit/sample) at final printed size for line art (graphs, charts, drawing or tables) and 300 dpi (8 bits/sample) at final printed size for photographs, and the resolution of an RGB color TIFF file should be at least 400 dpi. Most charts, graphs, and tables are one column wide (3 1/2 inches or 21 picas) or two-column width (7 1/16 inches or 43 picas wide). The maximum depth of a graphic is 9 inches or 54 picas. Space should be left for the caption. Figures should contain only the image and not the caption. A consistent type size should be used in all figures and tables. If a figure has multiple parts, callouts should be embedded to identify its parts i.e., (a), (b), (c). Callouts should be in 8-point Times New Roman font. Mixing point sizes in the graphics should be avoided. Lower case letters should be used when naming figures, tables, and author photographs. Figures (line artwork or photographs) should be named fig1.tif, fig2.eps, fig3.ps, fig4.pdf, fig5.doc, and so forth. Descriptive names should not be used for files.

C. Page Proofs

Page proofs are sent to the corresponding author, together with a copyright transfer form if not submitted yet. It is advised that editing at the proof stage is limited to the correction of typographical errors, incorrect data, and grammatical errors, and for updating information on references which were in press. The results of page proofs should be sent immediately by e-mail, or if signed proofs, sent by FAX, preferably within 4 business days.

NOTICE: The revised instructions for authors will be applied beginning with the June issue of 2011.

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